

SHEET 1 OF 4

FORM PTO - 1449

## INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: STK-008CN

APPLICANT: Oppermann et al.

SERIAL NO.: 09/754,831

FILING DATE: 1/3/01

GROUP: ~~1647~~ 1646

## U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
EXZ	A1	4,294,753	10/13/81	Urist	530	395	
	A2	4,394,370	7/19/83	Jefferies	424	15	
	A3	4,434,094	2/28/84	Seyedin et al.	530	416	
	A4	4,455,256	6/19/84	Urist	530	350	
	A5	4,563,350	1/7/86	Nathan et al.	424	95	
	A6	4,563,489	1/7/86	Urist	524	21	
	A7	4,774,322	9/27/88	Seyedin et al.	530	353	
	A8	4,795,804	1/3/89	Urist	530	350	
	A9	4,804,744	2/14/89	Sen	530	350	
	A10	4,810,691	3/7/89	Seyedin et al.	514	2	
	A11	8,843,063	6/27/89	Seyedin et al.	514	2	
	A12	4,877,864	10/31/89	Wang et al.	530	324	
	A13	5,013,649	5/7/91	Wang et al.	435	69.1	
	A14	5,106,626	4/21/92	Parsons et al.	424	423	
	A15	5,106,748	4/21/92	Wozney et al.	435	252.3	
	A16	5,108,922	4/28/92	Wang et al.	435	240	
	A17	5,116,738	5/26/92	Wang et al.	435	69.1	
	A18	5,141,905	8/25/92	Rosen et al.	435	69.1	
	A19	5,154,931	10/13/92	Kruger et al.			
	A20	5,166,058	11/24/92	Wang et al.	435	69.1	
	A21	5,187,076	2/16/93	Wozney et al.	435	69.1	
	A22	5,250,302	10/5/93	Opperman et al.	424	422	
	A23	5,366,875	11/22/94	Wozney et al.			
	A24	5,585,237	12/17/96	Oppermann et al.	435	6	

EXAMINER

E. Zimmerman

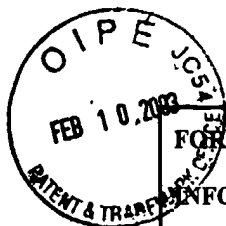
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## FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
OK	B1	85/05274	12/5/85	PCT					
	B2	86/00526	1/30/86	PCT					
	B3	88/00205	1/14/88	PCT					
	B4	89/09605	10/19/89	PCT					
	B5	89/10409	11/2/89	PCT					
	B6	90/03733	4/19/90	PCT					
	B7	90/11366	10/4/90	PCT					
	B8	91/02744	3/7/91	PCT					
	B9	93/00049	1/7/93	PCT					
	B10	0128041	12/12/84	EP					
	B11	0148155	7/10/85	EP					
	B12	0169016	1/22/86	EP					
	B13	0182483	5/28/86	EP					
	B14	0212474	3/4/87	EP					

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## OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
OK	C1	Canalis et al., "Stimulation of DNA and Collagen Synthesis by Antologous Growth Factor in Cultured Fetal Rat Calvaria," <u>Science</u> 210:1021-1023 (1980).
	C2	Centrella, "Transforming and Nontransforming Growth Factors are Present in Medium Conditioned by Fetal Rat Calvariae," <u>Proc. Natl. Acad. Sci. USA</u> 82:7335-7339 (1985).
	C3	Colowick et al., <u>Methods in Enzymology</u> 146:294-312 (1987).
	C4	Farley et al., "Human Skeletal Growth Factor: Characterization of Mitogenic Effect on Bone Cells In Vitro," <u>Biochem.</u> 21:3508-3513 (1982).
	C5	Glowacki et al., "Application of the Biological Principle of Induced Osteogenesis for Craniofacial Defects," <u>Lancet</u> 1:959-963 (1981).

EXAMINER E. KENNEDY

DATE CONSIDERED 9/30/04

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## INFORMATION DISCLOSURE STATEMENT

APPLICANT: Oppermann et al.

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GROUP: 1647/1646

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## OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
<i>ECU</i>	C6	Klausner, "Collagen Corp. Isolates Cartilage Inducers," <u>Biotechnology</u> 3:567-568 (1985).
	C7	LeGendre et al., "Direct Protein Microsequencing from Immobilon-P Transfer Membrane," <u>Biotechniques</u> 6:154-159 (1988).
	C8	Lyons et al., "Vgr-1, A Mammalian Gene Related to Xenopus Vg-1, Is A Member of the Transforming Growth Factor B Gene Superfamily," <u>Proc. Natl. Acad. Sci. USA</u> 86:4554-4558 (1989).
	C9	Maugh, "Human Skeletal Growth Factor Isolated," <u>Science</u> 217:819 (1982).
	C10	Olson et al., "Deglycosylation of Chondroitin Sulfate Proteoglycan by Hydrogen Fluoride in Pyridine," <u>Analyt. Biochem.</u> 146:232-257 (1985).
	C11	Padgett et al., "A Transcript From A Drosophila Pattern Gene Predicts A Protein Homologous To The Transforming Growth Factor-B Family," <u>Nature</u> 325:81-84 (1987).
	C12	Reddi, "Cell Biology and Biochemistry of Endochondral Bone Development," <u>Collage Rel. Res.</u> 1:209-226 (1981).
	C13	Reddi, "Implant-Stimulated Interface Reactions During Collagens Bone Matrix-Induced Bone Formation," <u>Journal of Biomedical Materials Research</u> 19:233-239 (1985).
	C14	Rosen et al., "Purification and Molecular Cloning of a Novel Group of BMPs", <u>Connect. Tissue Res.</u> 20:313-319 (1989).
	C15	Rudinger, "Characteristics of the Amino Acids as Components of a Peptide Hormone Sequence," <u>Peptide Hormones</u> (Parsons, et al. ed.), University Park Press, Baltimore, 1-7 (1976).
	C16	Sampath et al., "Dissociative Extraction and Reconstitution of Extracellular Matrix Components Involved in Local Bone Differentiation," <u>Proc. Natl. Acad. Sci. USA</u> 78:7599-7603 (1981).
	C17	Sampath et al., "Drosophila Transforming Growth Factor $\beta$ Superfamily Proteins," <u>Proc. Natl. Acad. Sci. USA</u> 90:6004-6008 (July 1993).
	C18	Sampath et al., "Isolation of Osteogenin, An Extracellular Matrix-Associated, Bone-Inductive Protein, by Heparin Affinity Chromatography," <u>Proc. Natl. Acad. Sci. USA</u> 84:7109-7113 (1987).
	C19	Sampath et al., "Role of Extracellular Matrix Components in Cartilage and Bone Induction," <u>Extracellular Matrix: Structure and Function</u> (A.H. Reddi Ec.) Allen R. Liss, Publ., NY 412-428 (1985).
	C20	Sampath et al., "Homology of Bone-Inductive Proteins from Human, Monkey, Bovine, and Extracellular Matrix," <u>Proc. Natl. Acad. Sci. USA</u> , 80:6591-6595 (1983).
	C21	Seyedin et al, "In Vitro Induction of Cartilage-Specific Macromolecules by a Bone Extract," <u>Proc. Natl. Acad. Sci. USA</u> 82:2267-2271 (1985).

EXAMINER

*E. H. H. H. H. H.*

DATE CONSIDERED

*9/30/04*

